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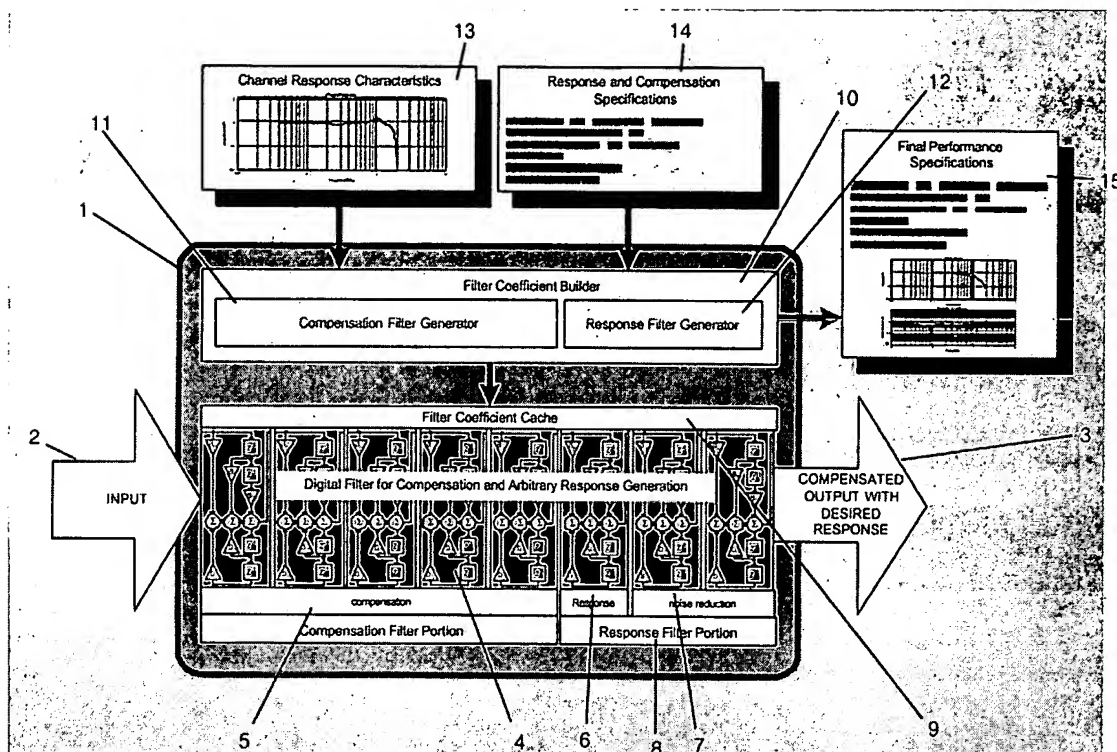


Figure 1

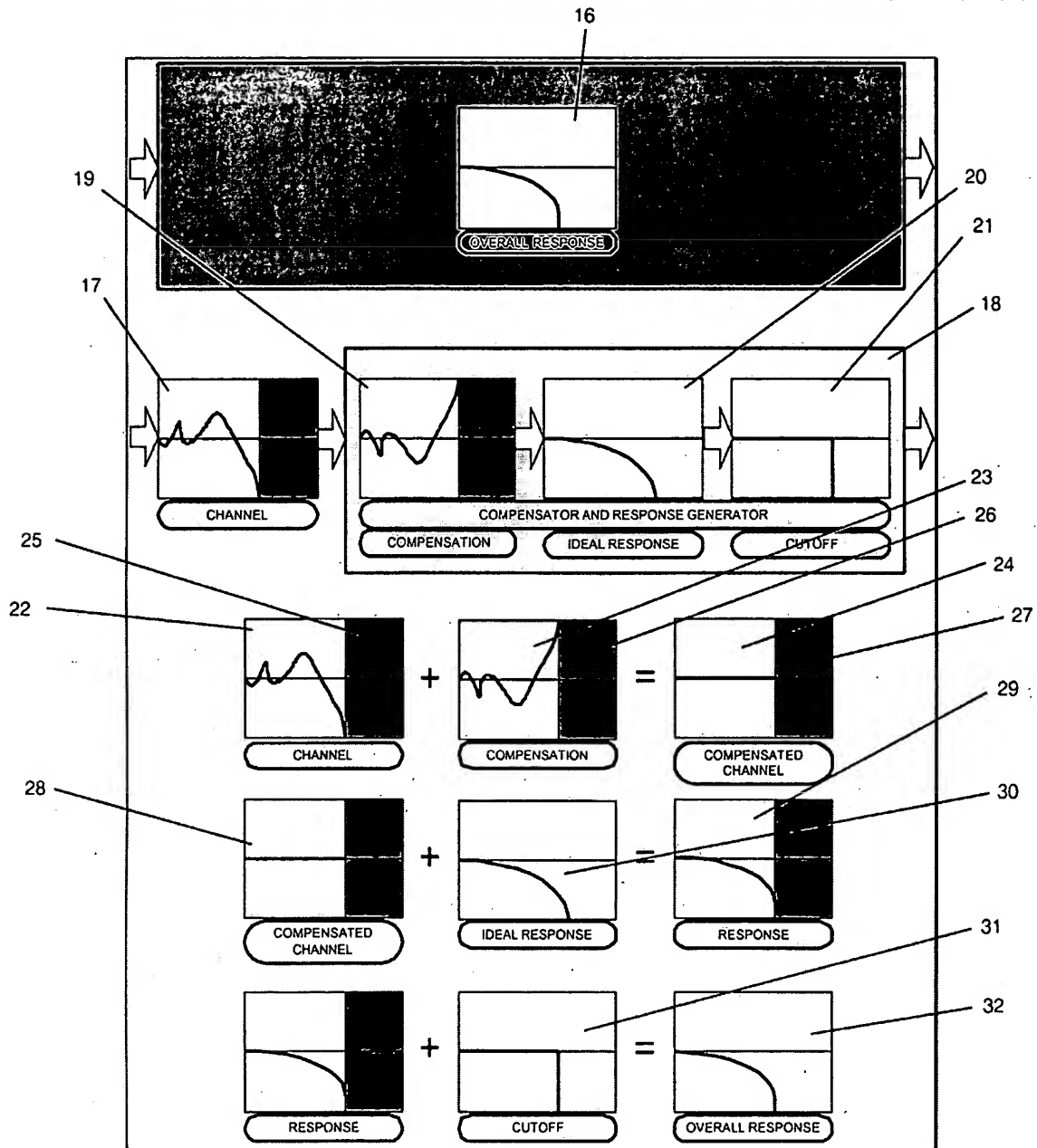


Figure 2

2

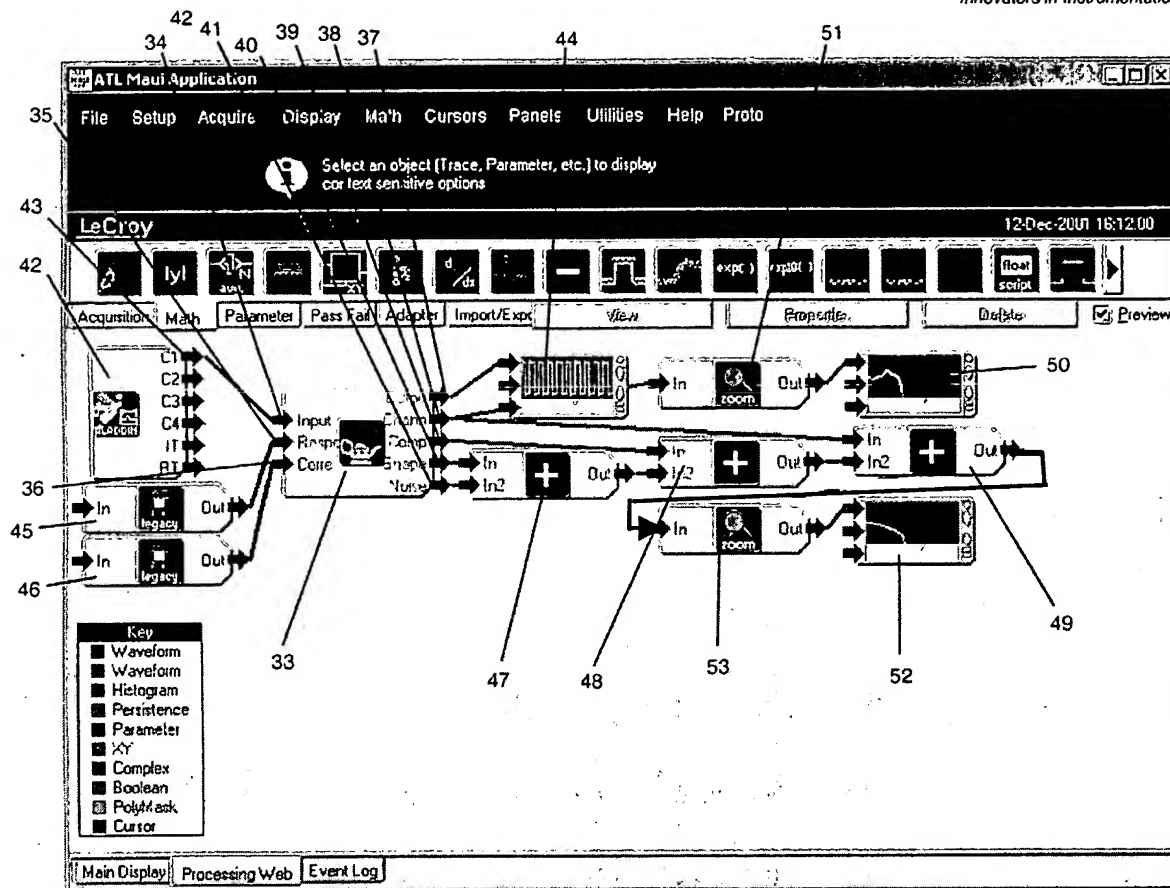


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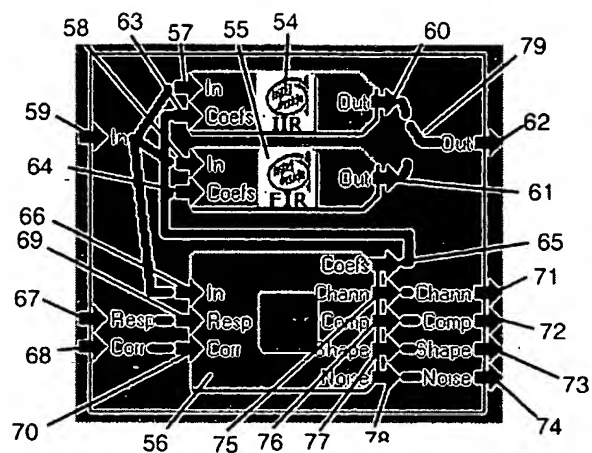


Figure 4

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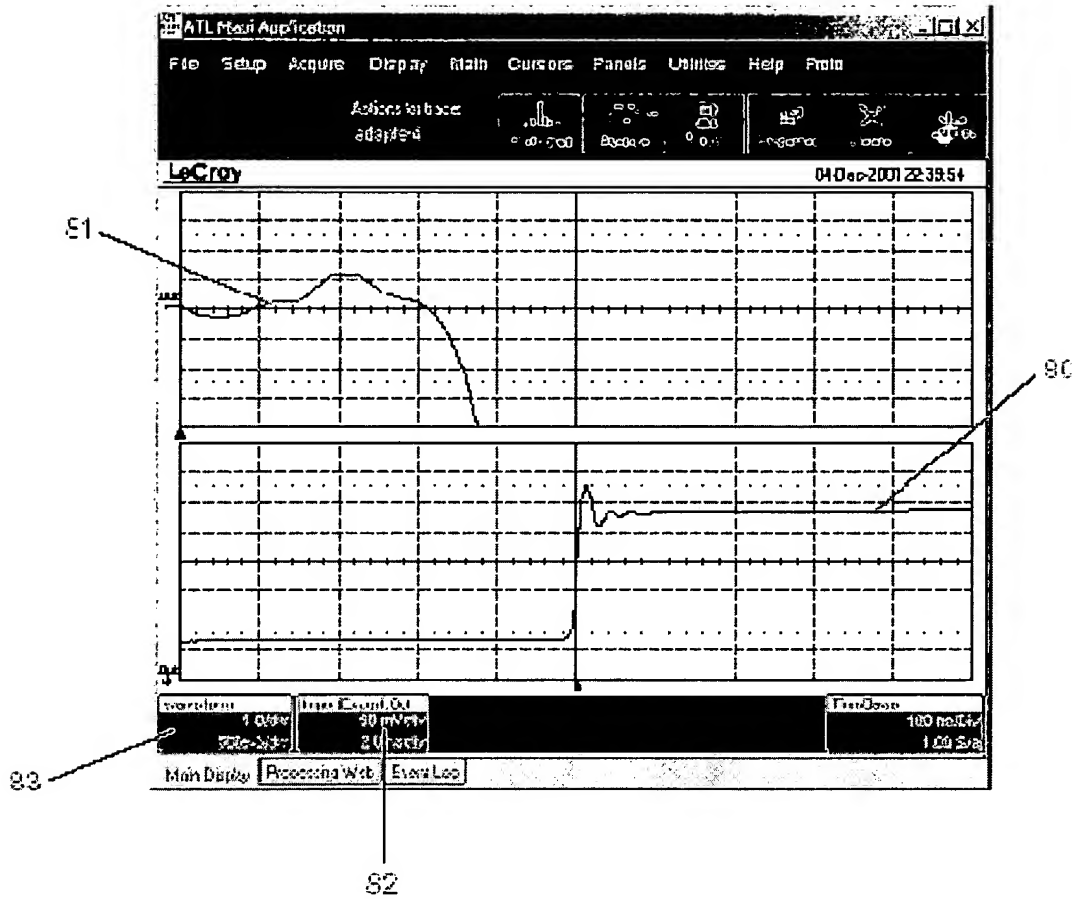


Figure 5

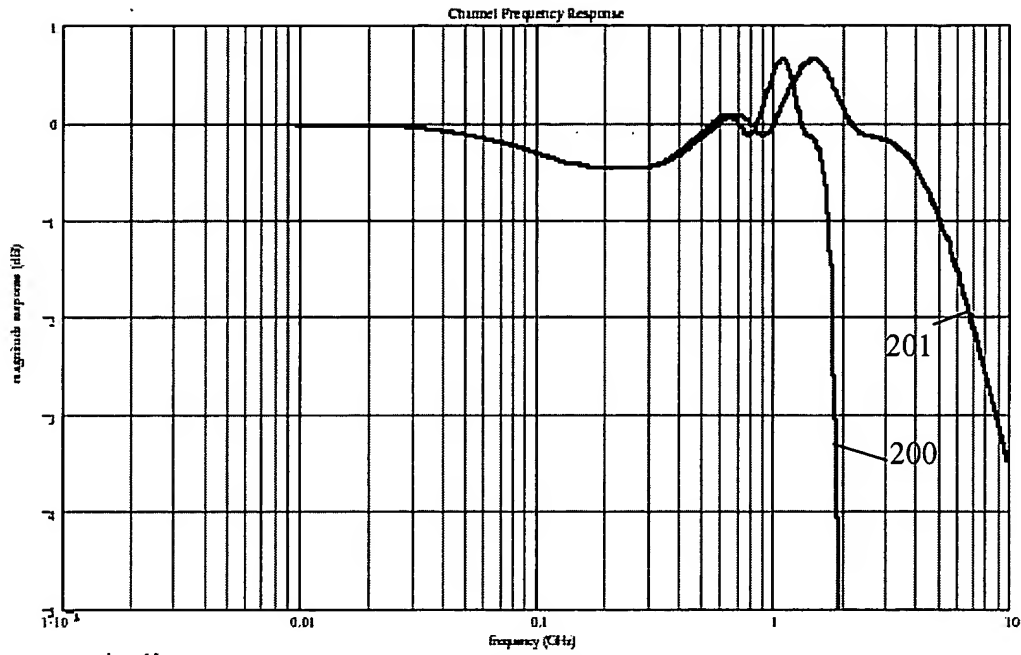


Figure 6

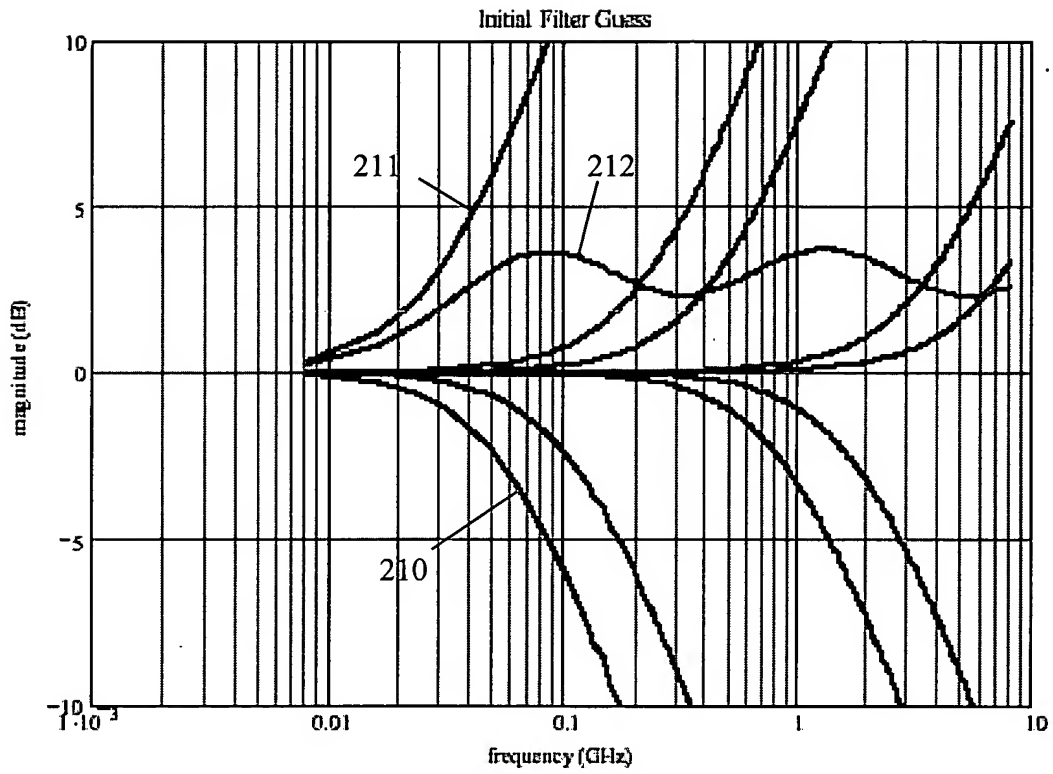


Figure 7

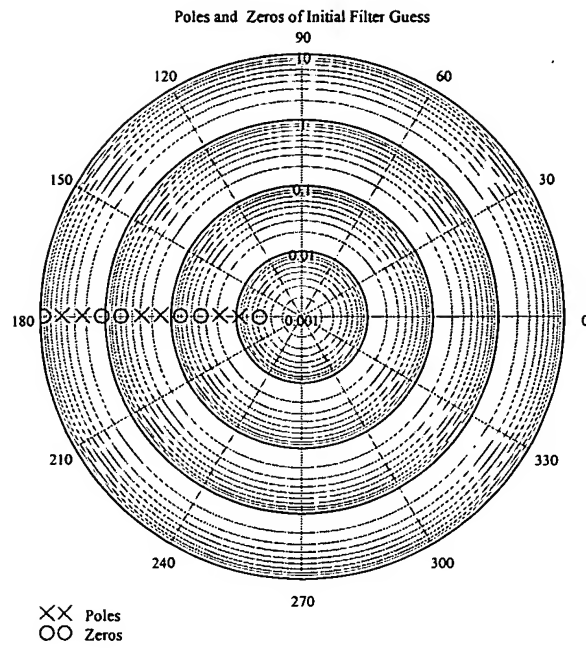


Figure 8

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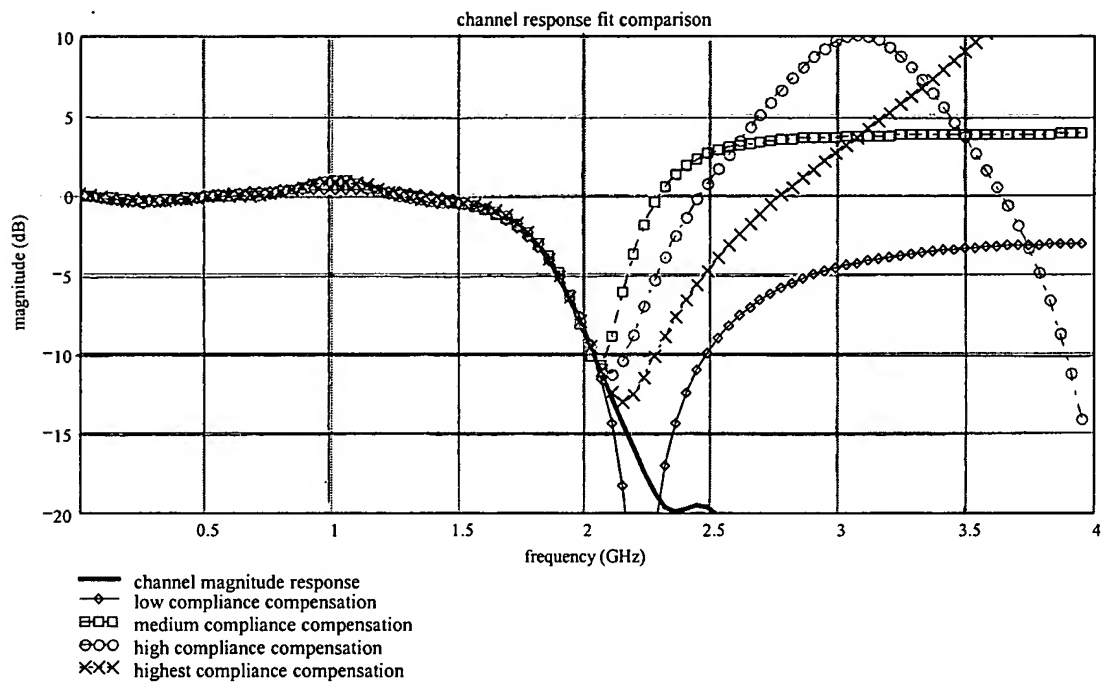


Figure 9

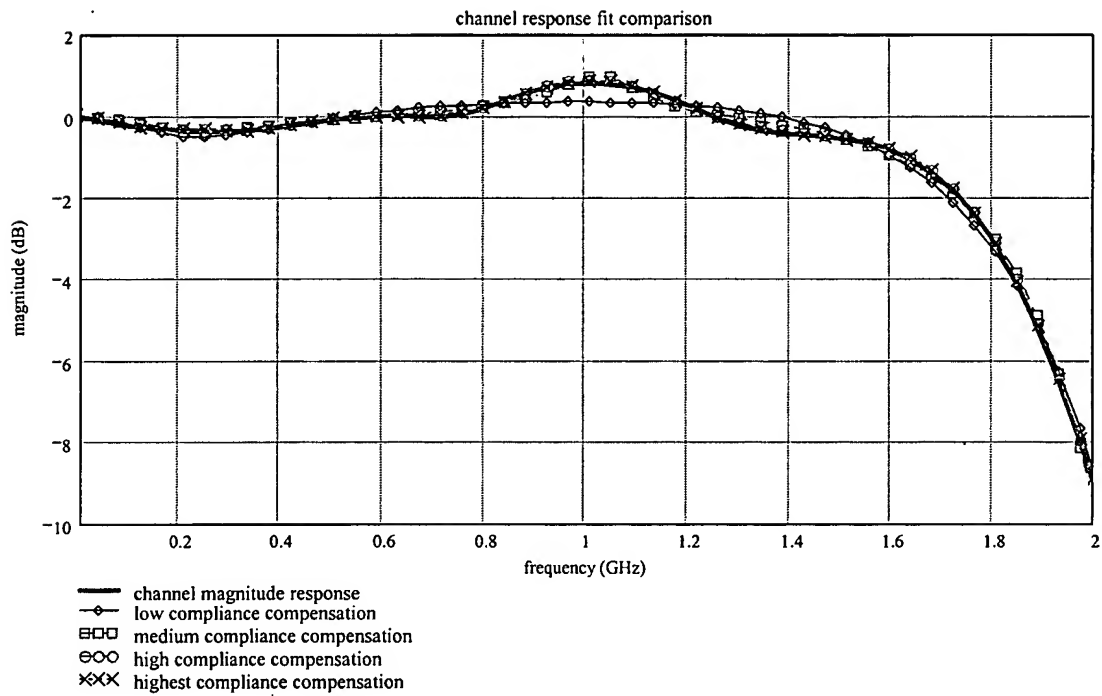


Figure 10

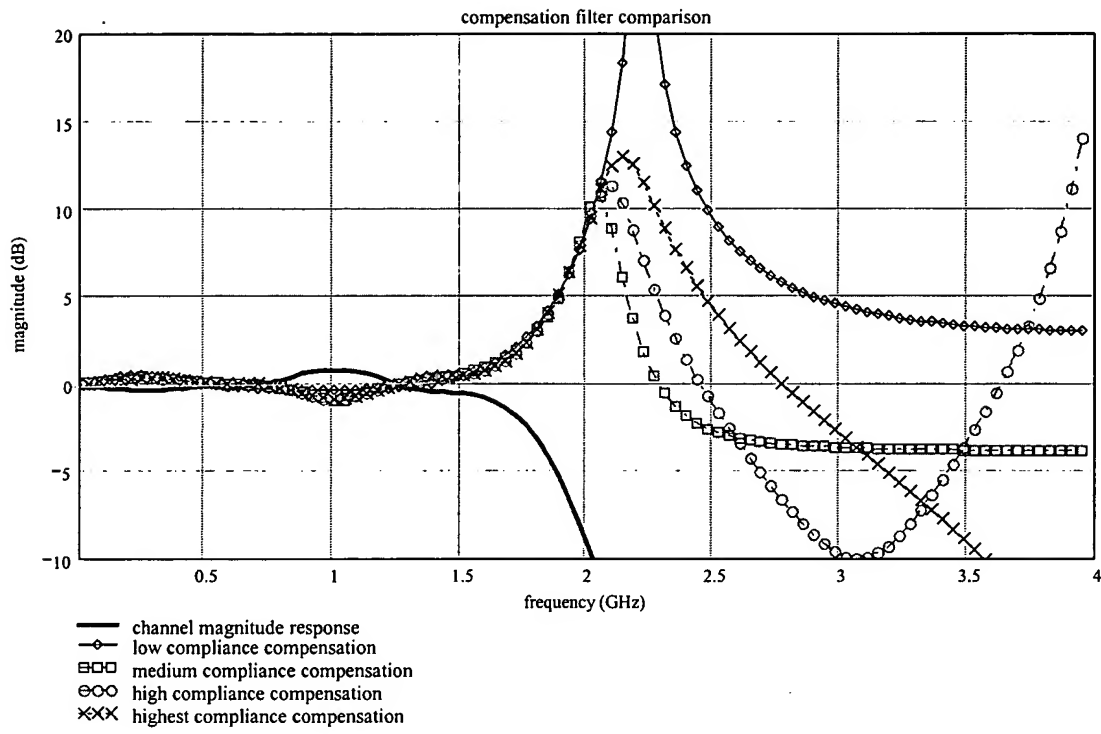


Figure 11

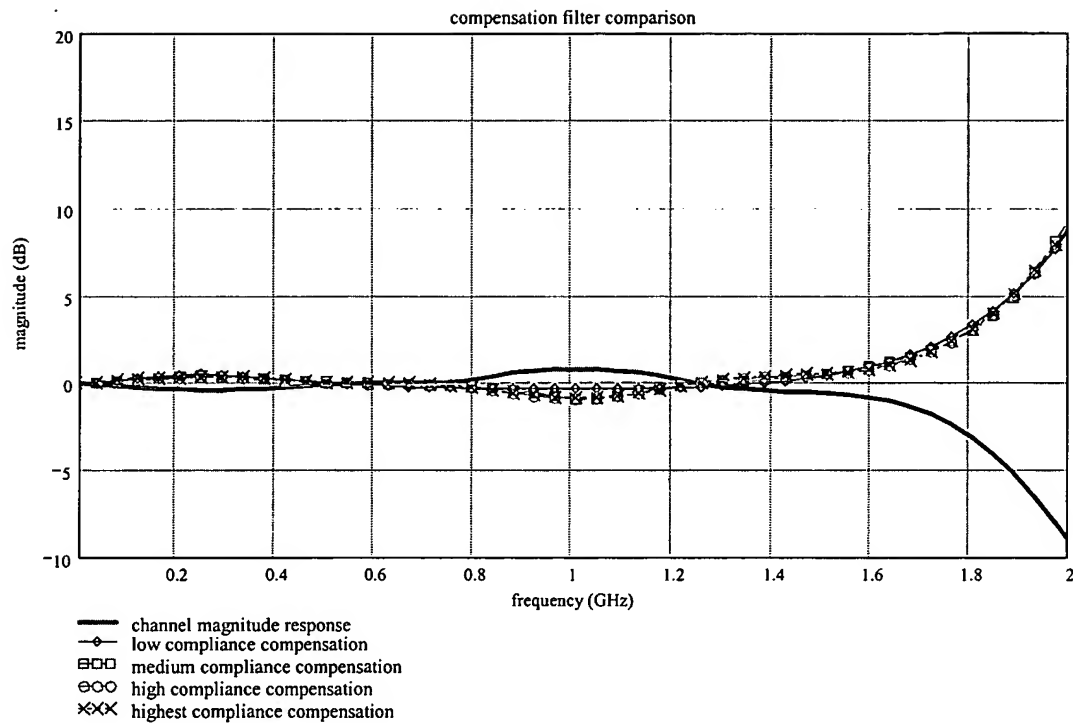


Figure 12

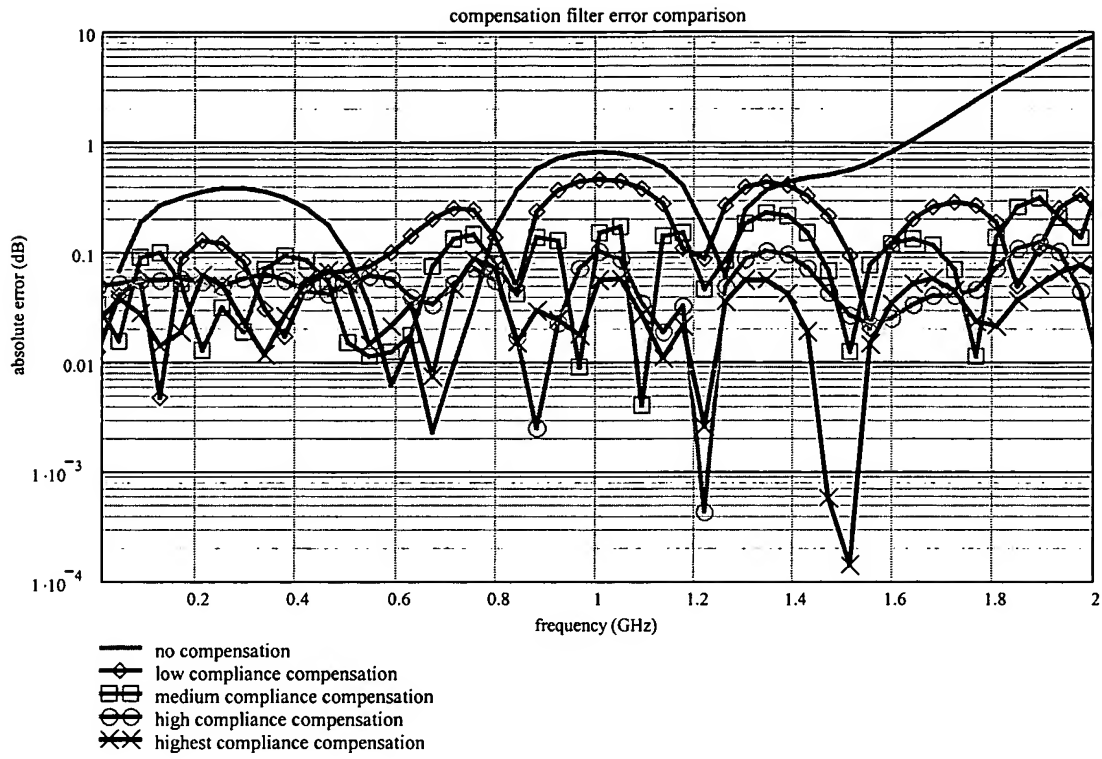


Figure 13

13

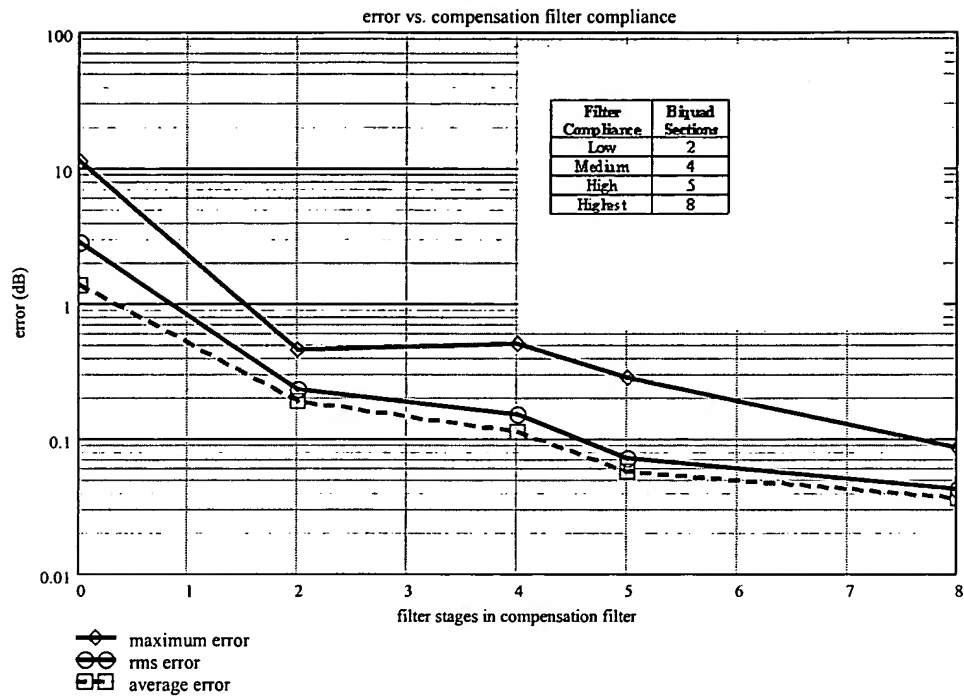


Figure 14

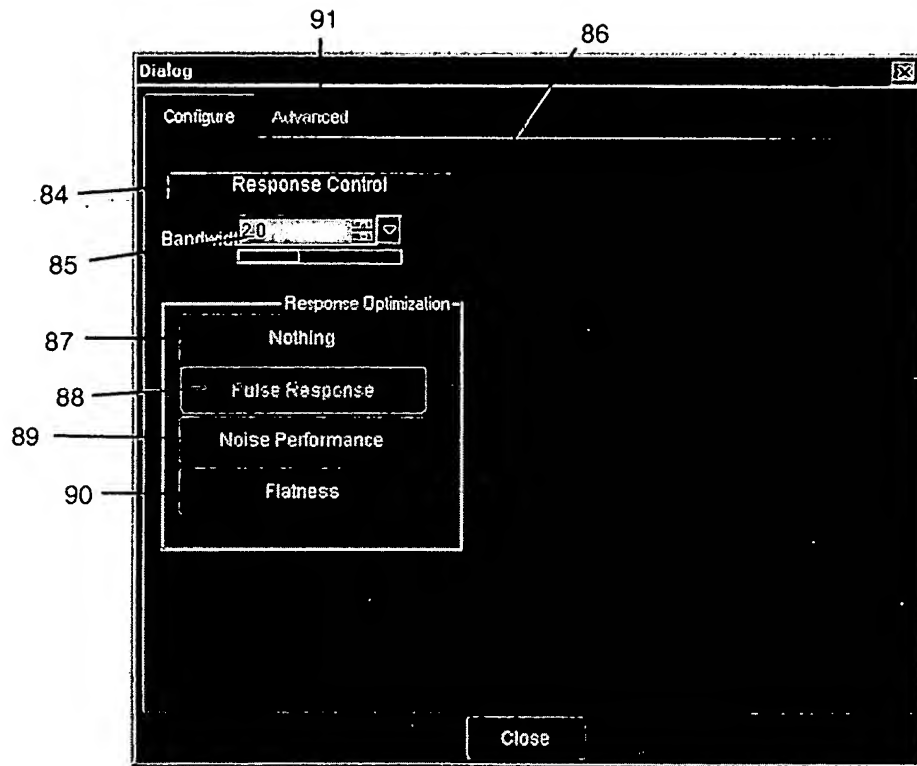


Figure 15

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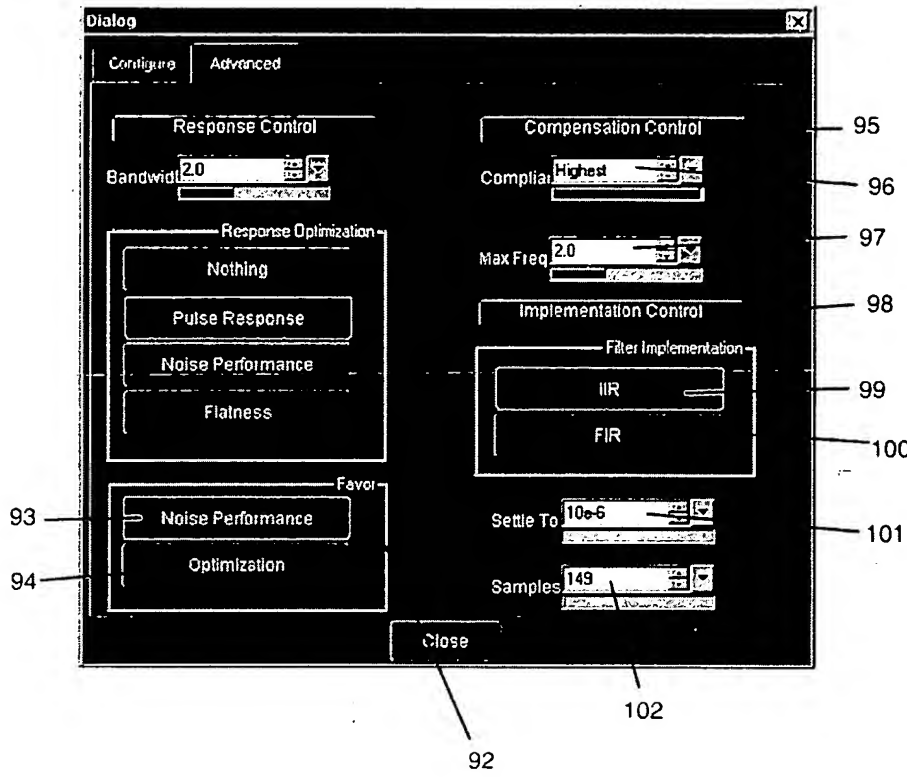


Figure 16

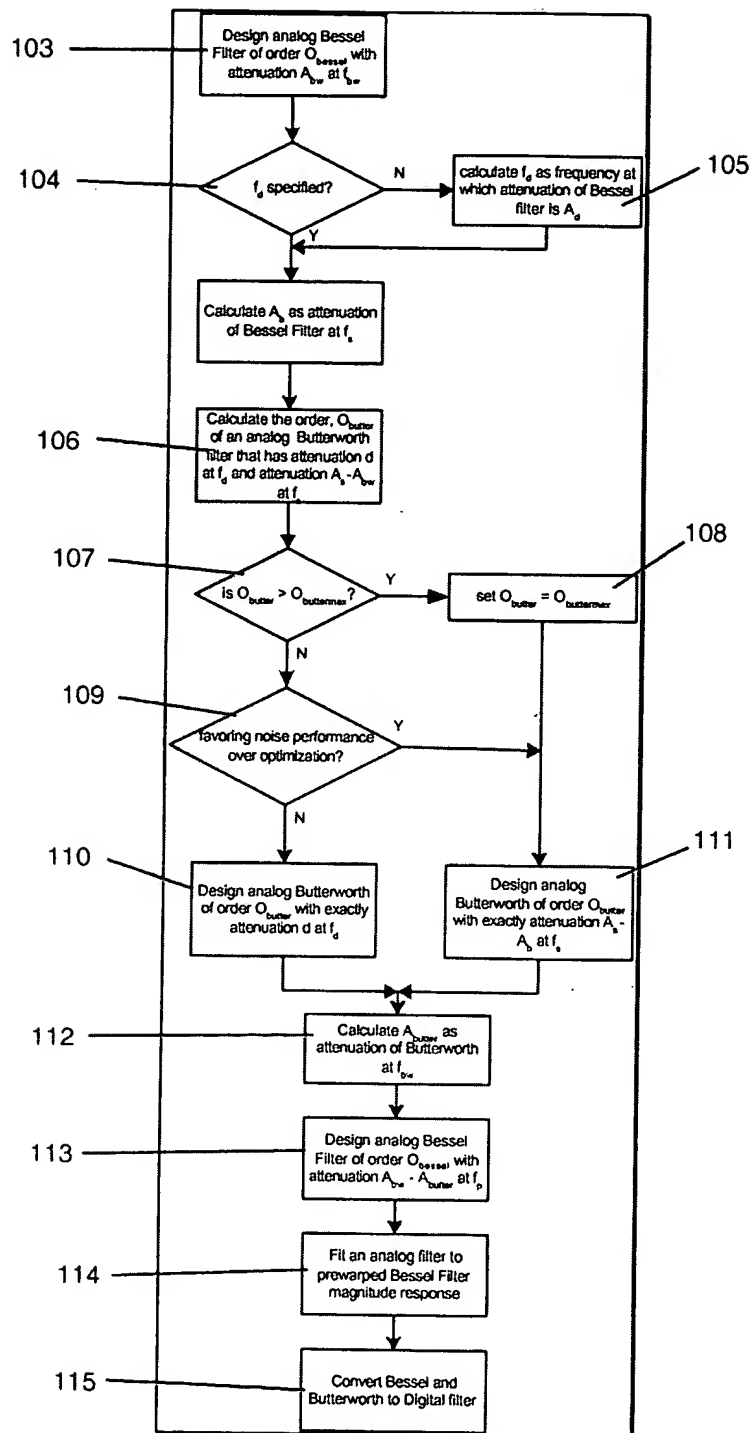


Figure 17

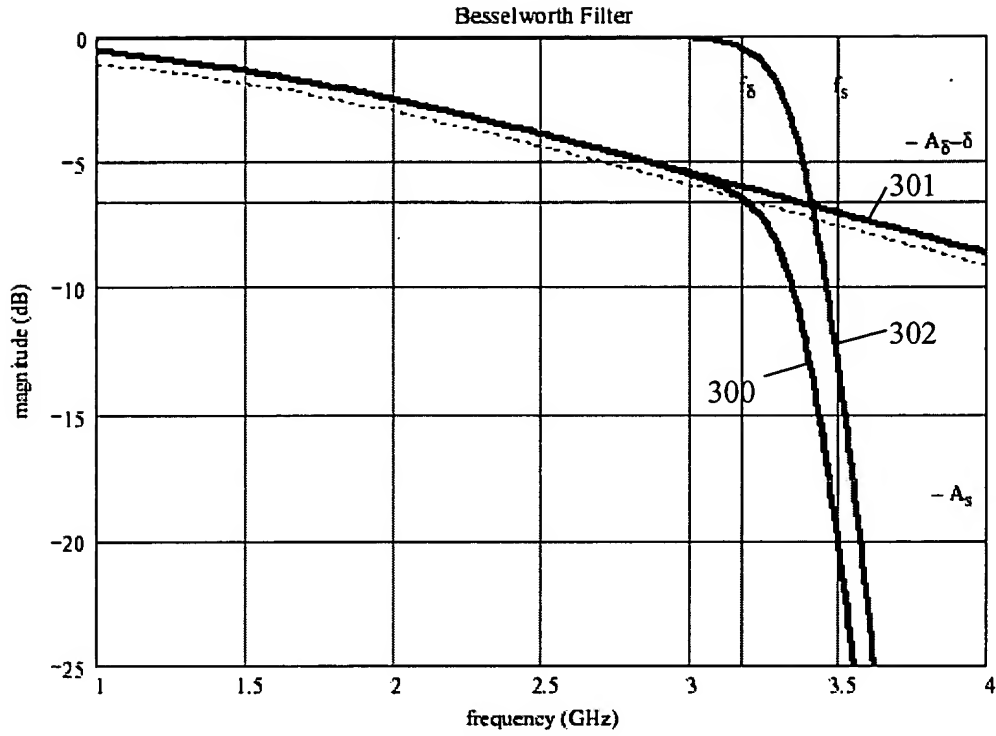


Figure 18

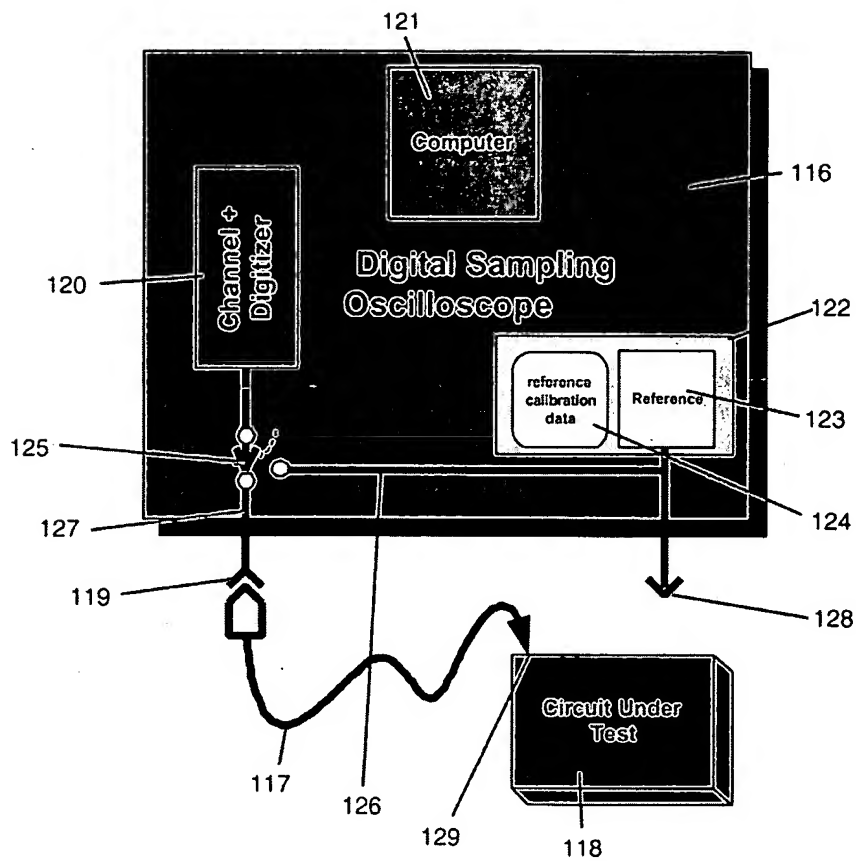


Figure 19

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Input Specifications:

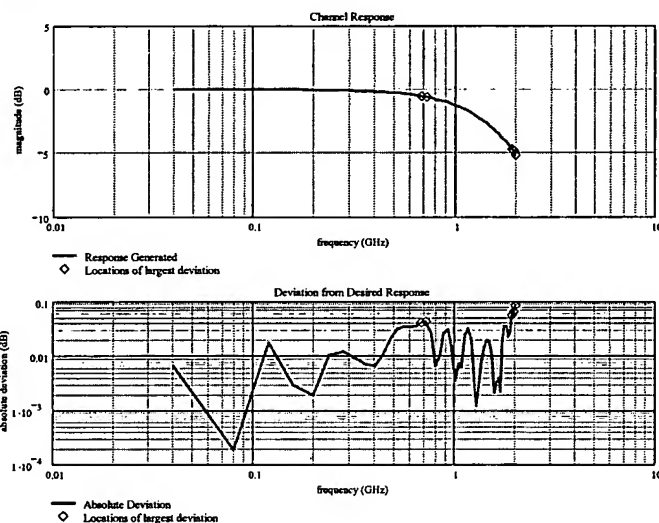
Bandwidth: 1.5 GHz
Optimization: Pulse Response Bessel - 2nd order
Compliance: Highest
Max Compensation Frequency: 2 GHz

Response specified to deviate from Bessel response by no more than $d=0.1$ dB out to $A_d = 6$ dB attenuation

Implementation Notes:

A_d changed from 6.0 to 5.164. Reason: $f_d=2.2$ exceeded Max Compensation Frequency.

Output Specifications:



Maximum Absolute Deviation: 0.085 dB @ 2.00 GHz
Maximum Positive Deviation: 0.065 dB @ 1.96 GHz
Maximum Negative Deviation: -0.085 dB @ 2.00 GHz
Average Deviation: 0.020 dB
RMS Deviation: 0.026 dB

Attenuation at $f_p = 1.5$ GHz: -2.94 dB

Bandwidth: 1.52 GHz

Five Largest Deviation Points:

-0.085 dB @	2.00 GHz	+0.065 dB @	1.96 GHz
+0.056 dB @	1.92 GHz	+0.042 dB @	0.72 GHz
+0.042 dB @	0.68 GHz		

Figure 20